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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: :
Examiner: Not Assigned :
In re application of:
Jonathan S. Minden :
U.S. Application No.: 10/590,106 :
International Application No.
PCTUS05/05125 :
I.A. Filing Date: February 18, 2005 :

Mail Stop: Amendment
Commissioner for Patents
P.O. Box: 1450
Alexandria, VA 22313-1450

COMPOSITIONS AND METHODS FOR
THE REVERSIBLE CAPTURE OF
BIOMOLECULES

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PATENT

060213CIPPCTUS

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INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15222-2312
May 23, 2007

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants, in accordance with their duty of disclosure pursuant to 37 C.F.R. §1.56, hereby advise the United States Patent and Trademark Office of the references listed on the accompanying Form PTO/SB/08A *Information Disclosure Statement by Applicant.*

Applicants believe the Information Disclosure Statement fully complies with the disclosure requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, inasmuch as under the revised rule 37 C.F.R. § 1.98 there is no requirement for Applicants to explain the relevance of the references cited in an Information Disclosure Statement unless those references are not in the English language. The relevance of any foreign language reference, if any, is indicated in the English abstract or English translation thereof.

Applicants note that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Applicants further note that the filing of this Information Disclosure Statement is not an admission that the references cited herein constitute prior art under 35 U.S.C. §§ 102-103 with respect to the captioned application. Applicants reserve the right to establish the scope of the invention, as defined by the claims, the patentability of the claimed invention over any of the information provided herein, and/or to provide that this information may not be prior art, and/or to prove that the information may not be enabling for the teachings purportedly offered.

Pursuant to 37 C.F.R. § 1.97(b), Applicants submit that no fee is necessary for consideration of this Information Disclosure Statement. Nevertheless, the Commissioner is hereby authorized to charge any additionally required fees deemed necessary for consideration of this Information Disclosure Statement to Account No. 11-1110.

Respectfully submitted,

May 23, 2007
Date


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PTO/SB/08A (08-03)

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Complete if Known			
Application Number		10/590,106	
International Filing Date		February 18, 2005	
First Named Inventor		Jonathan S. Minden	
Art Unit			
Examiner Name		Not Assigned	
Sheet	1	of	2
		Attorney Docket Number	
		060213CIPPTUS	

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 00/75164 A1	12-14-2000	Mirus Corporation		
		EP 0 226 470	12-12-1986	Unilever PLC		

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Sheet 2 of 2		Application Number International Filing Date First Named Inventor Art Unit Examiner Name		10/590,106 February 18, 2005 Jonathan S. Minden Not Assigned			
				Attorney Docket Number 060213CIPPCTUS			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Magil, et al., "A New Tool for Peptide Separation," <u>Peptide Research</u> , Vol. 1, No. 2, pp. 100-104 (1988).	
		Villain, et al., "Covalent capture: a new tool for the purification of synthetic and recombinant polypeptides," <u>Chemistry and Biology</u> , Vol. 8, No. 7, pp.673-679 (2001).	
		Singh, et al., "A Solid Support for Affinity Chromatography that Covalently Binds Thiol Groups Via a Cleavable Connector Arm," <u>Arch. Biochem. Biophys.</u> , Vol. 23, No. 2, pp.774-779 (1980).	
		Atassi, et al., "Reaction of Proteins with Citraconic Anhydride," <u>Methods in Enzymology</u> , Vol. 49, pp. 546-553 (1972).	
		Dixon, et al., "Reversible Blocking of Amino Groups with Citraconic Anhydride," <u>Biochemical Journal</u> , Vol. 109, pp.312-314 (1968).	
		Escalera, et al., "Dimethylmaleic Anhydride, a Specific Reagent for Protein Amino Groups," <u>Biochem. Cell Biol.</u> , Vol. 67, pp. 63-66 (1989).	
		Shetty, et al., "Ready Separation of Proteins from Nucleoprotein Complexes by Reversible Modification of Lysine Residues," <u>Biochemical Journal</u> , Vol. 191, pp. 269-272 (1980).	
		Shetty, et al., "Isolation of Yeast Protein with Reduced Nucleic Acid level Using Reversible Acylating Reagents: Some Properties of the Isolated Protein," <u>Journal of Agricultural and Food Chemistry</u> , Vol. 30, pp. 1166-1171 (1982).	
		Lodish, et al., "Molecular Cell Biology," Section 2.3, WH Freeman & Company (2000).	
		Schmincke-Ott, E. and Bisswanger, H., "A Simple and Gentle Method for Concentrating Protein Solutions," <u>Prep. Biochem.</u> , Vol. 10, p.69 (1980). Abstract	
		Heller, et al., "Controlled Drug Release by Polymer Dissolution: Partial Esters of Maleic Anhydride Copolymers – Properties and Theory," <u>J. Appl. Polym. Sci.</u> , Vol. 22, pp. 1991-2009 (1978).	

Examiner Signature	Date Considered
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